

Form PT 031449

INFORMATION DISCLOSURE CITATION IN AN APPLICATION

Docket Number (Optional) 019743.0261 Application Number 08/976,294

Applicant Westerlage, et al.

Filing Date

		Use :	sever	al she	ets if	nece.	ssary)		Filing Date Group Art Unit November 21, 1997					
								U.S	. PAT	ENT DOCUMENTS					
EXAMINER INITIAL		DOC	UME	ENT	NUM	BER		DATE		NAME	CLA	CLASS SUBCLASS		FILING DATE IF APPROPRIATE	
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ERC	3	5	1	8	6	7	4	06/70	D. L.	Moorehead, et al.	343		112	02/13/69	
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ERC	3	7	1	4	6	5	0	01/73	Fulle	r, et al.	343		6.5 LC	07/30/70	
ERC	3	7	5	7	2	9	0	09/73	Ross	, et al.	340		23	03/12/71	
ERC	3	7	8	9	4	0	9	01/74	East	on	343		112 R	10/08/70	
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ERC	3	9	0	6	1	6	6	09/75	Coop	per, et al.	179		41 A	10/17/73	
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ERC	_	"Т	RIM	PΑ	CK"	Broo	hur	e, TrimbleNa	vigatio	on, date unknown, 1 page.					
ERC	_	Ga 46	ry E). O	t, "V	ehic	le L	ocation in Ce	llular	Mobile Radio Systems," IEEE,	Vol. V	T-26	5, No1, Febru	ary, 1977	pp. 43-
ERC	_	Ja	mes	<u>C.</u> R	eyno	olds,	et a	l., "GPS-Base	ed Ves	sel Position Monitoring and Dis	splay S	yste	m," <i>IEEE</i> , 199	00, pp. 601	-607.
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conformance and not considered. Include copy of this form with next communication to the applicant.



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ERC	_	R. 9,							ations is	n the Intelligent Network," I	British Tele	com	munications	Engineerii	ıg, Vol.
CRC	_							al Positionin March, 1991		m User's Overview - YEE- 164.	82-009D,"	Nav:	star Global I	ositioning	System
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ERC'	4	5	9	0	5	6	9.	05/86	Rogo	off, et al.	364	452	10/14/83			
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ERC	4	6	5	1	1	5	7	03/87	Gray	, et al.	342	457	05/07/85			
ERC	4	6	5	4	8	7	9	03/87	Gold	man, et al.	455	33	03/29/85			
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Applicant Westerlage, et al. Filing Date

November 21, 1997

Group Art Unit

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U.S. PATENT DOCUMENTS EXAMINER DOCUMENT NUMBER DATE NAME CLASS. SUBCLASS EILING DATE IF APPROPRIATE INITIAL 2 04/88 Sagev, et al. 342 457 08/27/86 7 4 2 3 5 7 05/88 342 457 09/17/86 Rackley 7 5 0 9 07/02/87 1 7 06/88 Denekamp, et al. 379 58 5 5 4 6 06/88 Trimble 375 1 05/07/84 09/88 7 7 4 6 7 0 364 446 04/29/85 Palmieri 7 7 9 9 9 10/88 Williams 379 59 12/07/87

7 9 5 7 1 12/88 Takahashi, et al. 364 436 10/08/86 7 9 5 7 2 449 12/88 Green, III. et al. 364 11/20/85 Q 03/19/86 01/89 Nakayama, et al. 364 449

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FOREIGN PATENT DOCUMENTS DOCUMENT NUMBER DATE COUNTRY CLASS SUBCLASS Translation YES NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

Don Burtis, "CDPD--A Bandwidth Optimization Technique for Cellular Telephones," Computer Design's OEM Integration, May, 1994, pp. 19-20.

"U.S. Coast Guard Bulletin Board System File 'FRP-DGPS," U.S. Coast Guard, Date Unknown, pp. 1-6.

Gene L. Schlechte, LCDR, "U.S. Coast Guard Bulletin Board System Document 'DESIGN.TXT' - Design Process for the United States Coast Guard's Differential GPS Navigation Service," U.S. Coast Guard, U.S. Coast Guard Omega Navigation System Center, Date Unknown, pp. 1-21.

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INFORMATION DISCLOSURE CITATION IN AN APPLICATION (Use several sheets if necessary)

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ŽRC'	4	8	8	9	8	0	5	02/89	Counselman, III	342	352	01/21/88	3		
ERC	4	8	1	9	1	7	4	04/89	Furuno, et al.	364	444	01/29/87	7		
ERC_	4	8	3	3	4	7	7	05/89	Tendlet	342	389	11/22/88			
<u>ERC</u>	4	8	3	3	7	8	1	08/89	Comroe, et al.	379	60	01/27/88	3		
<u>ERC</u>	4	8	3	3	7	8	2	08/89	Shitara, et al.	379	60	05/13/88	05/13/88		
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"Appendix B, The 1991 Radionavigation User Conference," Department of Transportation, Date Unknown, pp. 1-2.

Kirk Ladendorf, "First in Flight--Using State-Of-The-Art Technology, Austin-Based Arrowsmith Technologies Establishes Itself As A Major Player in Nascent Technology-Supplier Market, Austin American-Statesman, January 30, 1995, 3 pages.

EXAMINER

Cosimano, E

DATE CONSIDERED

7-20-98



INFORMATION DISCLOSURE CITATION IN AN APPLICATION

Docket Number (Optional) 019743 0261

Application Number 08/976.294

Applicant Westerlage, et al.

(Use several sheets if necessary) Filing Date Group Art Unit November 21, 1997 U.S. PATENT DOCUMENTS EXAMINER DOCUMENT NUMBER DATE CLASS SUBCLASS FILING DATE IF APPROPRIATE NAME INITIAL 10/89 Selby 466 33 09/16/87 R 8 4 2 0 8 11/89 Marinelli, et al. 364 460 05/16/88 8 Q 6 5 0 01/90 457 05/16/88 Sheffer 342 8 o 7 6 1 01/90 03/31/88 Gray, et al. 364 452 Q 7 6 4 2 01/90 340 825.060 DiLullo, et al. 10/14/88 Q 0 3 4 0 02/90 379 09/19/88 Parker, et al. 60 9 ٥ 2 7 n 02/90 379 58 12/14/88 Onto 9 ٥ 2 9 0 03/90 Cròmpton 455 56 05/13/88 9 0 8 6 2 9 03/90 Apsell, et al. 342 457 12/05/88 9 2 5 6 7 03/90 Hop 379 60 04/07/89 04/90 Hagar, III, et al. 379 61 11/28/86 FOREIGN PATENT DOCUMENTS DOCUMENT NUMBER DATE COUNTRY CLASS SUBCLASS Translation YES NO OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) EXAMINER DATE CONSIDERED - Osimano, E. 7-20-98 EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP \$ 609. Draw line through citation if not in

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INFORMATION DISCLOSURE CITATION

Docket Number (Optional) 019743 0261

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Applicant Westerlage, et al. (Use several sheets if necessary) Group Art Unit Filing Date November 21, 1997 U.S. PATENT DOCUMENTS CLASS SUBCLASS FILING DATE FYAMINER DOCUMENT NUMBER DATE NAME IF APPROPRIATE INITIAL 07/90 Gerson, et al. 381 110 08/25/89 Q Q 3 8 08/90 Daly, et al. 379 61 07/05/89 9 10/90 340 995 03/16/87 6 3 6 5 Ichikawa, et al. 0 6 2 02/91 Dula, et al. 379 88 02/10/89 9 9 2 9 1 03/91 Marui, et al. 455 80 11/23/88 7 07/11/89 o 03/91 Gray, et al. 342 457 o 0 8 8 1 4 04/91 Mathur 364 200 08/15/88 o 2 o 6 05/91 Scribner, et al. 364 449 08/22/88 9 9 6 3 200 03/21/88 05/91 Alderson, et al. 364 2 5 06/91 825.06 10/03/89 DiLullo, et al. 340 07/91 02/08/90 Velasco 342 457 FOREIGN PATENT DOCUMENTS DOCUMENT NUMBER DATE COUNTRY CLASS SUBCLASS Translation YES NO OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) DATE CONSIDERED EXAMINER Cosimano, E 7-20-98 EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

PTO/SB/08 (2-92) Sheet 8 of 11 Form PTO-1449 Docket Number (Optional) Application Number 08/975.294 019743.0261 INFORMATION DISCLOSURE CITATION Applicant IN AN APPLICATION Westerlage, et al. (Use several sheets if necessary) Filing Date Group Art Unit November 21, 1997 U.S. PATENT DOCUMENTS EXAMINER DOCUMENT NUMBER DATE NAME CLASS SUBCLASS FILING DATE IF APPROPRIATE INITIAL 08/91 Darnell, et al. 342 357 07/27/90 09/91 Duffett-Smith 342 457 07/28/88 2 09/91 Zicker, et al. 379 59 05/02/90 0 8 5 1 10/91 Sheffer* 342 457 11/29/89 0 0 10/91 Ishii, et al. 455 33 05/24/89 6 8 6 5 6 989 12/21/90 0 11/91 Suthefland 340 0 9 o 0 5 0 02/92 379 60 04/30/91 Heffernan 5 o 0 05/26/89 0 03/92 Marui 455 33 9 1 o 2 06/92 Barnard 342 357 01/23/91 2 2 6 342 419 03/12/91 06/92 Clagett 06/92 Defonge 364 07/03/91 442 FOREIGN PATENT DOCUMENTS DOCUMENT NUMBER DATE COUNTRY CLASS SUBCLASS Translation YES NO OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

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Cosimono, E.

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